

Claims

- [c1] 1.A cable hanger for mounting a cable having an outer diameter to a support structure, comprising:
a front shell half adapted to mate with a rear shell half,
the front shell half and the rear shell half each having an inner surface adapted to cooperate with the other to secure the outer diameter of the cable within a cable space;
the mating of the front shell half and the rear shell half releasably secured by at least one closure flange(s) of the front shell half adapted to retain at least one closure fin(s) of the rear shell half;
the front shell half and the rear shell half each having, along a vertical mating surface, at least one interlock flange(s) and at least one interlock fin(s);
the interlock flange(s) and interlock fin(s) adapted to interlock with corresponding interlock flange(s) and interlock fin(s) of a second cable hanger positioned against the cable hanger along the vertical mating surface.
- [c2] 2.The device of claim 1, further including a front shell half bolt hole through the front shell half and a rear shell half bolt hole through the rear shell half;
the front shell half bolt hole aligning with the rear shell

half bolt hole when the front shell half is mated to the rear shell half;
a recessed nut surface of the front shell half is recessed below the vertical mating surface whereby a bolt extending through the front and rear shell half bolt holes may be secured with a nut against the recessed nut surface to retain the cable hanger to the support structure without having the bolt projecting above the vertical mating surface.

[c3] 3.The device of claim 1, further including a connection side of the cable hanger having at least one side latch(s) and at least one side aperture(s);
the side latch(s) and side aperture(s) adapted to couple with side latch(s) and side aperture(s) of a third cable hanger, positioned connection side to connection side with the cable hanger.

[c4] 4.The device of claim 3, wherein the closure flange ,closure fin, interlock flange and interlock fin are positioned about the cable hanger whereby they may be disengaged without accessing the connection side.

[c5] 5.The device of claim 1, wherein the front shell half and the rear shell half are formed as a unitary component.

[c6] 6.The device of claim 5, wherein the front shell half and

the rear shell half are interconnected by a assembly hinge.

[c7] 7.The device of claim 5, wherein an interconnection between the front shell half and the rear shell half is frangible.

[c8] 8.The device of claim 1, further including a gripping finger which extends within the cable space;
the gripping finger adapted to deflect upon entry of the cable into the cable space, creating a bias against the cable.

[c9] 9.The device of claim 1, further including at least one rib projecting from the front shell half inner surface.

[c10] 10.The device of claim 1, further including a mounting post coaxial with the front shell half bolt hole and the rear shell half bolt hole; the mounting post recessed below the vertical mating surface of the front shell half and extending beyond the vertical mating surface of the rear shell half.

[c11] 11.The device of claim 1, further including a front shell half outer surface and a rear shell half outer surface opposite the front shell half inner surface and the rear shell half inner surface, respectively; and
an interlock alignment pin and a corresponding interlock

alignment aperture formed in each of the front shell half outer surface and the rear shell half outer surface adapted to mate with a corresponding interlock alignment pin and interlock alignment aperture of the second cable hanger as the second cable hanger is mated with the cable hanger along the vertical mating surface.

[c12] 12.The device of claim 11, further including a reinforcing fin extending from the mounting post and front shell half outer surface to the vertical mating surface .

[c13] 13.The device of claim 1, wherein the cable hanger is injection molded using a thermoplastic resin.

[c14] 14.A cable hanger for mounting a cable having an outer diameter to a support structure, comprising:
a front shell half adapted to mate with a rear shell half, the front shell half and the rear shell half each having an inner surface adapted to cooperate with the other to secure the outer diameter of the cable within a cable space; the mating of the front shell half and the rear shell half releasably secured by at least one closure flange(s) of the front shell half adapted to retain at least one closure fin(s) of the rear shell half;
the front shell half and the rear shell half each having, along a vertical mating surface, at least one interlock flange(s) and at least one interlock fin(s);

the interlock flange(s) and interlock fin(s) adapted to interlock with corresponding interlock flange(s) and interlock fin(s) of a second cable hanger positioned against the cable hanger along the vertical mating surface;

a front shell half bolt hole through the front shell half and a rear shell half bolt hole through the rear shell half; the front shell half bolt hole aligning with the rear shell half bolt hole when the front shell half is mated to the rear shell half;

a recessed nut surface of the front shell half is recessed below the vertical mating surface whereby a bolt extending through the front and rear shell half bolt holes may be secured with a nut against the recessed nut surface to retain the cable hanger to the support structure without having the bolt projecting above the vertical mating surface;

a connection side of the cable hanger having at least one side latch(s) and at least one side aperture(s);

the side latch(s) and side aperture(s) adapted to couple with side latch(s) and side aperture(s) of a third cable hanger, positioned connection side to connection side with the cable hanger.

[c15] 15. The device of claim 14, further including a gripping finger which extends within the cable space;

the gripping finger adapted to deflect upon entry of the

cable into the cable space, creating a bias against the cable.

[c16] 16.A cable hanger for mounting a cable having an outer diameter to a support structure, comprising:
a front shell half adapted to mate with a rear shell half,
the front shell half and the rear shell half each having an inner surface adapted to cooperate with the other to secure the outer diameter of the cable within a cable space;
the mating of the front shell half and the rear shell half releasably secured by a means for closure;
the front shell half and the rear shell half each having, along a vertical mating surface, a means for interlocking;
the means for interlocking adapted to interlock with the means for interlocking of a second cable hanger positioned against the cable hanger along the vertical mating surface;
a connection side of the cable hanger having a means for latching adapted to couple with the means for latching of a third cable hanger, positioned connection side to connection side with the cable hanger.